



# Fuels Automated System (FAS)

***June 2004***



# Fuels Automated System (FAS)



## Overview

- **FAS Components Overview**
- **Transaction Flow Process**
  - **DoD Purchase Locations**
  - **Commercial Aviation Fuels**
  - **Commercial Ground Fuels**
- **MILSTRIP Document Number Construct and Roll-up Criteria**
- **Automated Financial Obligation System**
- **Customer Billing**



# ***Fuels Automated System***



For Over  
60 Years

Defense Energy Support Center

## ***Component Definitions...***

- ***DFAMS (Defense Fuels Automated Management System): DESC Legacy System of Record deployed during the 1990s. Interfaces with DAAS for customer monthly billings.***
- ***OED (Oil Energy Downstream): New COTS DESC System of Record currently in deployment phase to eventually replace DFAMS. Interfaces with Oracle Government Financials (OGF).***
- ***FAS( Fuels Automated System): A vertically integrated AIS consisting of base-level components and “enterprise” level systems providing visibility of bulk fuel assets and transactions to Services, Combatant Commanders, vendors, and DESC***



# **Fuels Automated System**



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## **Component Definitions...**

- **FES (FAS Enterprise Server):** *A web-based environment that collects, routes, and reports transactions among bases, contractors, DESC, DFAS, and other entities. Interfaces with service financial legacy systems for daily automated financial obligation feeds.*
- **FCC (Fuels Control Center):** *Base level stand alone computer program used to record fuel movements; fueling operations; fuels facility, equipment, and human resource availability/status. Interfaces with other base level automated data capture (ADC) devices and with the FES for fuel transaction processing.*
- **AFSS (Automated Fuel Service Station):** *An ADC application for ground fuel servicing operations. Uses Vehicle Information Link (VIL) keys to capture customer information.*



# ***Fuels Automated System***



## ***Current Transaction Flow Process...***

- **DoD Installation Purchases (daily processing)**
  - *Point-of-Sale (POS) data capture via ADC card reader, AFSS Master Unit, or manual entry to FCC GASLOG or FCC Logsheet*
  - *POS data Imported to FCC Accounting Module*
  - *Accounting Module Transaction File Uploaded to FES*
  - *FES - DFAMS or OED based on FES gating logic (currently only CONUS Bulk Fuels gate to OED. CONUS ground fuels projected to migrate to OED)*
- **Commercial aviation fuel purchases (Daily)**
  - *Into-Plane Contract (AIR Card): AVCARD -- AVEDS -- DFAMS*
  - *Non-Contract (AIR Card): AVCARD -- FES -- DFAMS*
  - *Open Market (SF 46/AF 315): Aircrew -- RDCO-- DESC-RR -- FCC -- FES -- DFAMS*
- **Commercial ground fuels purchases (Weekly processing)**



# ***Fuels Automated System***



## **Financial Obligations**

- **FES Transactions (Daily Automated Obligation Feed to GAFS for Air Force)**
  - All DoD Installation & Commercial Ground Fuel Purchases
  - Commercial Aviation Fuel Purchases at Non-Contract locations
- **Non-FES Transactions (No Automated Obligation Feed)**
  - Commercial Aviation (DESC Into-Plane Contract)
    - Programming action in progress to bring into-plane contract transactions through FES. ETIC: TBD
  - MORD should be used to track obligations manually for Non-FES transactions

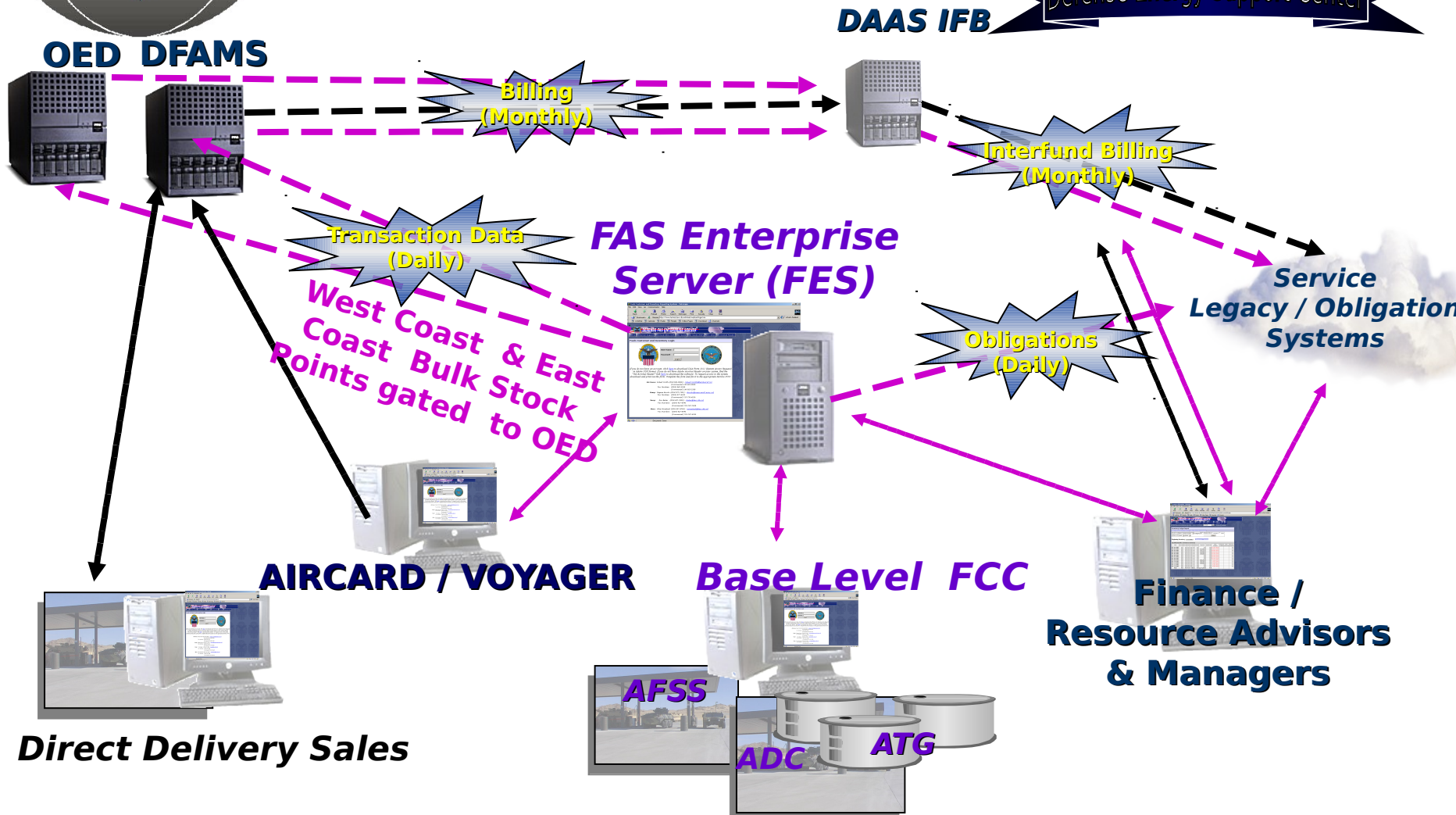




# Fuels Automated System



## Current Transaction Flow Process...





# Fuels Automated System

**EST FY 06**



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**DAAS IFB**



**Billing (Monthly)**

**Interfund Billing (Monthly)**

**Transaction Data (Daily)**

**FAS Enterprise Server (FES)**

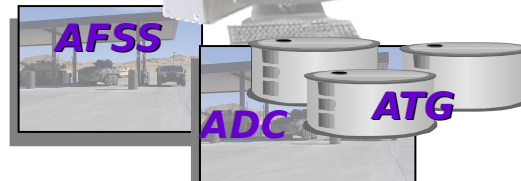
**Obligations (Daily)**

**Service Legacy / Obligation Systems**

**AIRCARD / VOYAGER**

**Base Level FCC**

**Finance / Resource Advisors & Managers**







# ***Fuels Automated System***



## ***General FAS Information...***

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### **MILSTRIP Document Number Construct**

#### **Positions**

***1-6***

***7-10***

***11-14***

#### **Data Description**

***Customer DoDAAC***

***Julian Date of Transaction***

***Serial Number***

***Non-FES (DFAMS)***

***Last four of A/C Tail # (into plane)***

***4 character numeric serial # (direct delivery)***

***FES Processed Transactions "FF" series with 2 character serial #***

***Commercial Aviation  
(AIR Card)***

***"FA" series with 2 character serial #***

***Commercial Ground  
(VOYAGER)***

***"FV" series with 2 character serial #***



# Fuels Automated System



## General FAS Information

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### MILSTRIP Document Number Construct (Examples)

	A	B	C	D	E	F	G	H
1	TRANS NAME	DOCUMENT ID	Grade	QTY	UNIT COST	EXT COST	FC	SC
2	<b>Non-FES (DFAMS) transactions</b>							
3	FJ1	V639343029F093	JP5	22,561	0.86	\$19,402.46	7B	A
4	FJ2	V6393430324221	JP5	200	0.86	\$ 172.00	7B	A
5								
6	<b>FES DoD Purchases</b>							
7	SALE	WV68GYP3057FF00	MUR	37	0.75	\$ 27.75	31	A
8	SALE	WV68GYP3059FF01	MUR	97	0.75	\$ 72.75	31	A
9								
10	<b>Commercial Ground Fuel Purchase</b>							
11	GROUND_PURCHASE	WV80YXX1339FV01	NLS	610	1.43	\$ 872.30	31	A
12	GROUND_PURCHASE	WV80YXX1339FV00	NLS	600	1.43	\$ 858.00	31	A
13								
14	<b>Commercial Aviation Fuel Purchase</b>							
15	AVIATION_PURCHASE	FP44183065FA0X	NA1	15339	1.66	\$25,462.74	68	A
16	AVIATION_PURCHASE	FP44183072FA14	NA1	-2578	1.66	\$ (4,279.48)	68	A
17								



# ***Fuels Automated System***



## ***General FAS Information... Billing***

- **MILSBILLS (Monthly)**
  - **Billing cycle 1-2 days prior to last calendar day of month**
- **Customers may receive more than one fuel bill based on purchase location and grade of product purchased**
  - **FES Transaction processed via DFAMS to DAAS**
  - **FES Transaction processed via Oil Energy Downstream (OED) to DAAS**
  - **Non-FES Transactions processed direct to DFAMS, in turn to DAAS**
- **Manual 1080 bill (Monthly)**
  - **e.g. Fund Code XP customers and/or MWR activities and other non-DoD ("T" DoDAAC) customers**



# ***Fuels Automated System***



## ***General FAS Information...*** ***Bill Series***

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### **Month**

**October**

**November**

**December**

**January**

**February**

**March**

**April**

**May**

**June**

**July**

**August**

**September**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**J**

**K**

### **DFAMS**

**L**

**M**

### **OED**

**N**

**P**

**Q**

**R**

**S**

**T**

**U**

**V**

**W**

**X**

**Z**

**Y**



# ***Fuels Automated System***



## **Questions / Discussion**